L Number	Hits	Search Text	DB	Time stamp
1	38	(((ozone near15 generator) or ozone) near15 (gas or atmosphere)) same (wafer or semiconductor or substrate) same (spray or sprayer or nozzle or jet) same (spin or spinning or rotor or rotate or rotary or turn or rotating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:04
2	3	(((ozone near15 generator) or ozone) near15 (gas or atmosphere)) same (wafer or semiconductor or substrate) same (spray or sprayer or nozzle or jet) same (spin or spinning or rotor or rotate or rotary or turn or rotating)	USOCR	2004/04/21 06:04
3	6.	(((ozone near15 generator) or ozone) near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) same (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or rotating)	USOCR	2004/04/21 06:05
4	627	(((ozone near15 generator) or ozone) near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) same (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:46
5	26851	turn or rotating) (ozone near15 generator) or (ozone near15 (gas or atmosphere))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:50
6	9221	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or rotating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:51
7	8938	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or rotating) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:56
8	349	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or rotating) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating)	USOCR	2004/04/21 06:57
9	8550	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) and (spray or sprayer or nozzle or jet) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 06:58

10	0425 1	(ozone near15 generator) or (ozone near15	USPAT;	2004/04/21
	8425	(gas or atmosphere)) and ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) and ((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	07:00
11	8425	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) and ((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21
12	8331	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) and ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) and (((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:01
13	8249	decontaminating)) (ozone near15 generator) or (ozone near15 (gas or atmosphere)) same ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) and (((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:01
14	8244	(gas or atmosphere)) same ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) same (((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21
15	8239	decontaminating)) (ozone near15 generator) or (ozone near15 (gas or atmosphere))near55 ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) same (((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontaminating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:02

16	8238	(ozone near15 generator) or (ozone near15 (gas or atmosphere)) near55 ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) near55 (((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:08	
17	8237	decontaminating)) (ozone near15 generator) or (ozone near15 (gas or atmosphere)) near55 ((wafer or semiconductor or substrate) near15 (spin or spinning or rotor or rotate or rotary or turn or rotating)) near55 ((spray or sprayer or nozzle or jet) near15 (water or liquid or chemical or acid or solution or solvent)) near25 (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21	-
18	22540	decontaminating)) and 134/\$.ccls. (ozone near10 generator) or (ozone near10 (gas or atmospphere))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/21 07:11	*
19.	26080	(ozone near10 generator) or (ozone near10 (gas or atmosphere))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/21 07:11	
20	21812	<pre>(wafer or semiconductor or substrate) same (ozone near10 generator) or (ozone near10 (gas or atmosphere))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:12	
21	11644	(ozone near10 generator) or (ozone near10 (gas or atmosphere)) same ((wafer or semiconductor or substrate) nrat20 (spin or spinning or rotor or rotate or rotary or turn or turning or rotating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:13	
22	8251	(ozone near10 generator) or (ozone near10 (gas or atmosphere)) same ((wafer or semiconductor or substrate) near20 (spin or spinning or rotor or rotate or rotary or turn or turning or rotating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:14	
23	8169	(ozone near10 generator) or (ozone near10 (gas or atmosphere)) same ((wafer or semiconductor or substrate) near20 (spin or spinning or rotor or rotate or rotary or turn or turning or rotating)) same (sprayer or spray or spraying or jet or nozzle) near15 ((water or chemical or liquid or chemicals or acid or solvent))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21	
24	219	((ozone near10 generator) or (ozone near10 (gas or atmosphere)) same ((wafer or semiconductor or substrate) near20 (spin or spinning or rotor or rotate or rotary or turn or turning or rotating)) same (sprayer or spray or spraying or jet or nozzle) near15 ((water or chemical or liquid or chemicals or acid or solvent))) and 134/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 07:16	

			HCD Nm.	2004/04/21
25	2579	((ozone near10 generator) or (ozone	USPAT;	2004/04/21 07:17
		near10 (gas or atmosphere)) same ((wafer	US-PGPUB; EPO; JPO;	07.17
		or semiconductor or substrate) near20	DERWENT;	
1	]	(spin or spinning or rotor or rotate or	IBM TDB	
'		rotary or turn or turning or rotating)) same (sprayer or spray or spraying or jet	1011_100	
	[	or nozzle) near15 ((water or chemical or	1	
		liquid or chemicals or acid or solvent)))		
		and (134/\$.ccls. or wash or washing or		
		clean or cleaning or rinse or rinsing or		
ł		decontaminate or decontamination or		1
	1 1	decontaminating)		
		"6235112" and (heat or heater or hot or	USPAT	2004/04/20
_	3	heated or heating)	ODIAI	07:18
	, ,	"6551409" and (heat or heater or hot or	USPAT	2004/04/20
-	1	heated or heating)		08:07
	4	"6325081" and ((heat or heater or hot or	USPAT	2004/04/20
_	1 4	heated or heating) or (sonic or		08:10
		ultrasonic or megasonic or hertz or MHZ		
		or vibration or vibrate) or ozone)		
_	4	"6325081" and ((heat or heater or hot or	USPAT	2004/04/20
-	"	heated or heating) or (sonic or		08:48
		ultrasonic or megasonic or hertz or MHZ		.
		or vibration or vibrate or oscillator or		
		oscillation or oscillate) or ozone)		
_	1	"6684890"	USPAT	2004/04/20
				08:17
_	689	134/\$.ccls. and (sonic or ultrasonic or	USPAT	2004/04/20
		megasonic or hertz or MHZ or vibration or		08:19
		vibrate or oscillator or oscillation or		
1		oscillate) same (wafer or semiconductor)	•	
-	22	"5378317" and ((heat or heater or hot or	USPAT	2004/04/20
		heated or heating) or (sonic or		08:51
		ultrasonic or megasonic or hertz or MHZ	8	
		or vibration or vibrate or oscillator or		
		oscillation or oscillate) or ozone)		0004/04/00
-	1	"5990060" and ((heat or heater or hot or	USPAT	2004/04/20
	1	heated or heating) or (sonic or		08:58
	1	ultrasonic or megasonic or hertz or MHZ		
	1	or vibration or vibrate or oscillator or		
		oscillation or oscillate) or ozone)	icone.	2004/04/20
-	18868	(((wafer or semiconductor or substrate)	USPAT; US-PGPUB;	09:01
	,	near15 (batch or boat or carrier)) and	EPO; JPO;	09.01
		((wafer or semiconductor or substrate)	DERWENT	
1		near15 (single or individual))) and ((heat or heater or hot or heated or	DEIMARIAT	.
			1	•
		heating) or (sonic or ultrasonic or megasonic or hertz or MHZ or vibration or		
		vibrate or oscillator or oscillation or	1	
		oscillate) or ozone)	,	
	547		USPAT;	2004/04/20
-	34/	near15 (batch or boat or carrier)) and	US-PGPUB;	09:06
1	1	((wafer or semiconductor or substrate)	EPO; JPO;	1
		near15 (single or individual))) and	DERWENT	
		((heat or heater or hot or heated or		*
		heating) or (sonic or ultrasonic or		ļ.
1		megasonic or hertz or MHZ or vibration or		
1		vibrate or oscillator or oscillation or		
1		oscillate) or ozone) and 134/\$.ccls.		
	371	(((wafer or semiconductor or substrate)	USPAT;	2004/04/20
		near15 (batch or boat or carrier)) and	US-PGPUB;	10:53
		((wafer or semiconductor or substrate)	EPO; JPO;	
		near15 (single or individual))) and	DERWENT	
		((sonic or ultrasonic or megasonic or	1	
	1	hertz or MHZ or vibration or vibrate or		
		oscillator or oscillation or oscillate)		
		or ozone) and 134/\$.ccls.		

Search History 4/21/04 7:20:53 AM Page 4

1 &				
_	0	(((wafer or semiconductor or substrate)	IBM_TDB	2004/04/20
	j	near15 (batch or boat or carrier)) and	1	10:21
		((wafer or semiconductor or substrate)		
0)		near15 (single or individual))) and	٤ .	<u> </u>
		((sonic or ultrasonic or megasonic or		
ļ		hertz or MHZ or vibration or vibrate or		
		oscillator or oscillation or oscillate)		
1		or ozone) and 134/\$.ccls.	Haoan	2004/04/20
-	1	(((wafer or semiconductor or substrate)	USOCR	10:26
		near15 (batch or boat or carrier)) and	. *	10:26
		((wafer or semiconductor or substrate)		
		near15 (single or individual))) and		
1		((sonic or ultrasonic or megasonic or		
	i ' l	hertz or MHZ or vibration or vibrate or oscillator or oscillation or oscillate)		
	·			
ļ		or ozone) and 134/\$.ccls.	USOCR	2004/04/20
-	1	(((wafer or semiconductor or substrate) near15 (batch or boat or carrier)) and	ODOCK	10:27
		((wafer or semiconductor or substrate)		10.27
ļ	1	near15 (single or individual))) and		
1		((sonic or ultrasonic or megasonic or		
		hertz or MHZ or vibration or vibrate or		
		oscillator or oscillation or oscillate))		l l
		and (washing or cleaning or clean or		ĺ
		decontaminate or rinse or		
		rinsing) 134/\$.ccls.		
	302	(((wafer or semiconductor or substrate)	USPAT;	2004/04/20
	302	near15 (batch or boat or carrier)) and	US-PGPUB;	10:27
İ		((wafer or semiconductor or substrate)	EPO; JPO;	
		near15 (single or individual))) and	DERWENT;	
		((sonic or ultrasonic or megasonic or	IBM_TDB	
ì		hertz or MHZ or vibration or vibrate or		
		oscillator or oscillation or oscillate))		
		and (washing or cleaning or clean or		(F)
		decontaminate or rinse or		
		rinsing)134/\$.ccls.		
-	3068	(((wafer or semiconductor or substrate)	USPAT;	2004/04/20
	i	near15 (batch or boat or carrier)) and	US-PGPUB;	10:27
		((wafer or semiconductor or substrate)	EPO; JPO; DERWENT;	
		near15 (single or individual))) and	IBM TDB	
		((sonic or ultrasonic or megasonic or hertz or MHZ or vibration or vibrate or	IBII_IBB	[
	1	oscillator or oscillation or oscillate))		
		and (washing or cleaning or clean or		
		decontaminate or rinse or rinsing or		*
ļ		decontaminating)		
1_	132	(((wafer or semiconductor or substrate)	USPAT;	2004/04/20
		near15 (batch or boat or carrier)) and	US-PGPUB	11:18
		((wafer or semiconductor or substrate)		100
0		near15 (single or individual))) and		
	1 .	((sonic or ultrasonic or megasonic or		
		hertz or MHZ or vibration or vibrate or		1
=		oscillator or oscillation or oscillate)	1	
		or ozone) and 134/\$.ccls. and( (raised or		
1		raising) and (lowered or lowering))	USOCR	2004/04/20
-	2	((wafer or semiconductor or substrate)	USOCK	11:22
		near25 (spin or spinning or turn or		11.22
1		turning or rotate or rotating or rotor)) same (sonic or ultrasonic or megasonic or		]
	. 1	hertz or MHZ or vibration or vibrate or		
1		oscillator or oscillation or oscillate)		
		and 134/\$.ccls.		]
_	308		USPAT;	2004/04/21
		near25 (spin or spinning or turn or	US-PGPUB;	06:00
		turning or rotate or rotating or rotor))	EPO; JPO;	
		same (sonic or ultrasonic or megasonic or	DERWENT;	
		hertz or MHZ or vibration or vibrate or	IBM_TDB	
		oscillator or oscillation or oscillate)		
	1	and 134/\$.ccls.		

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